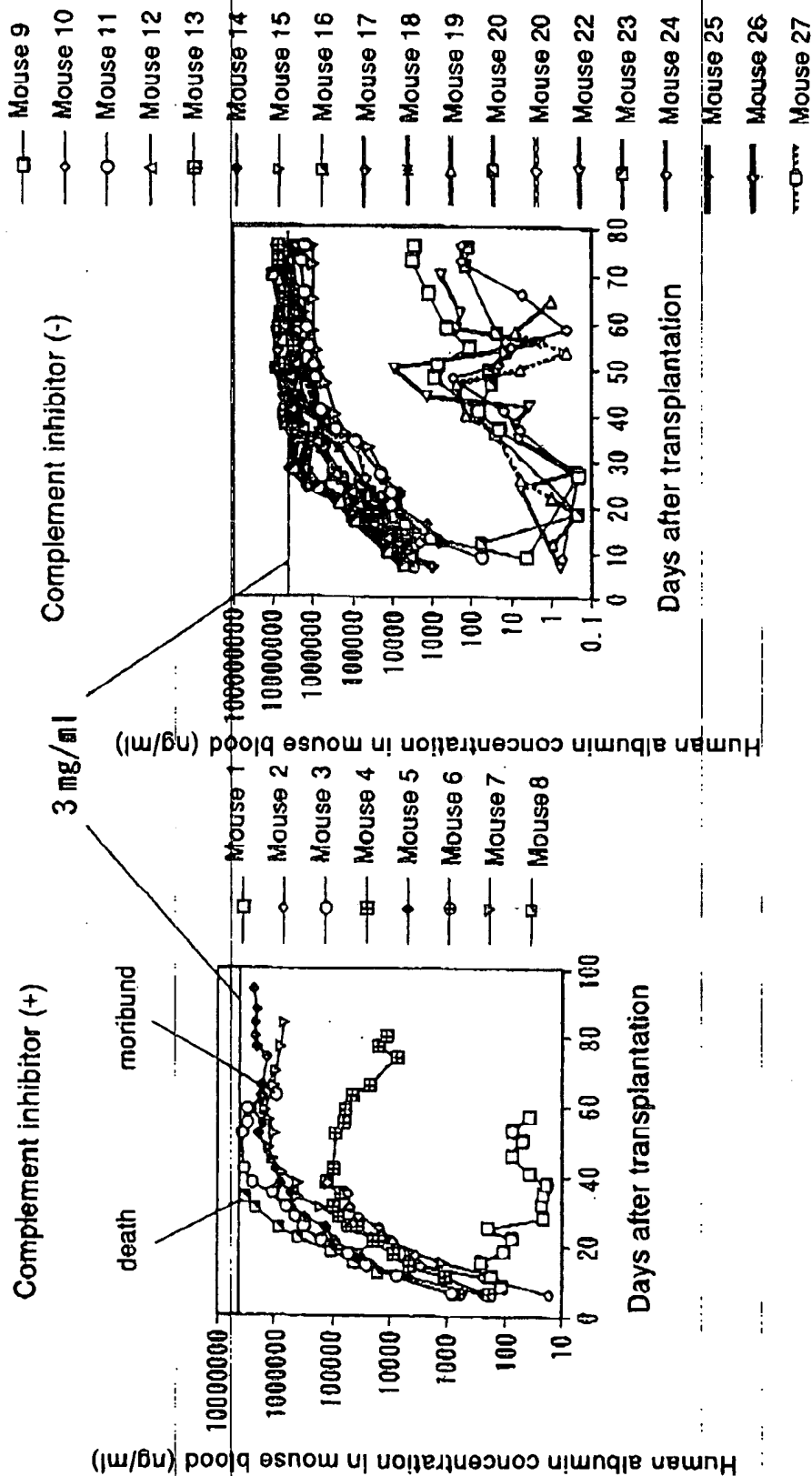


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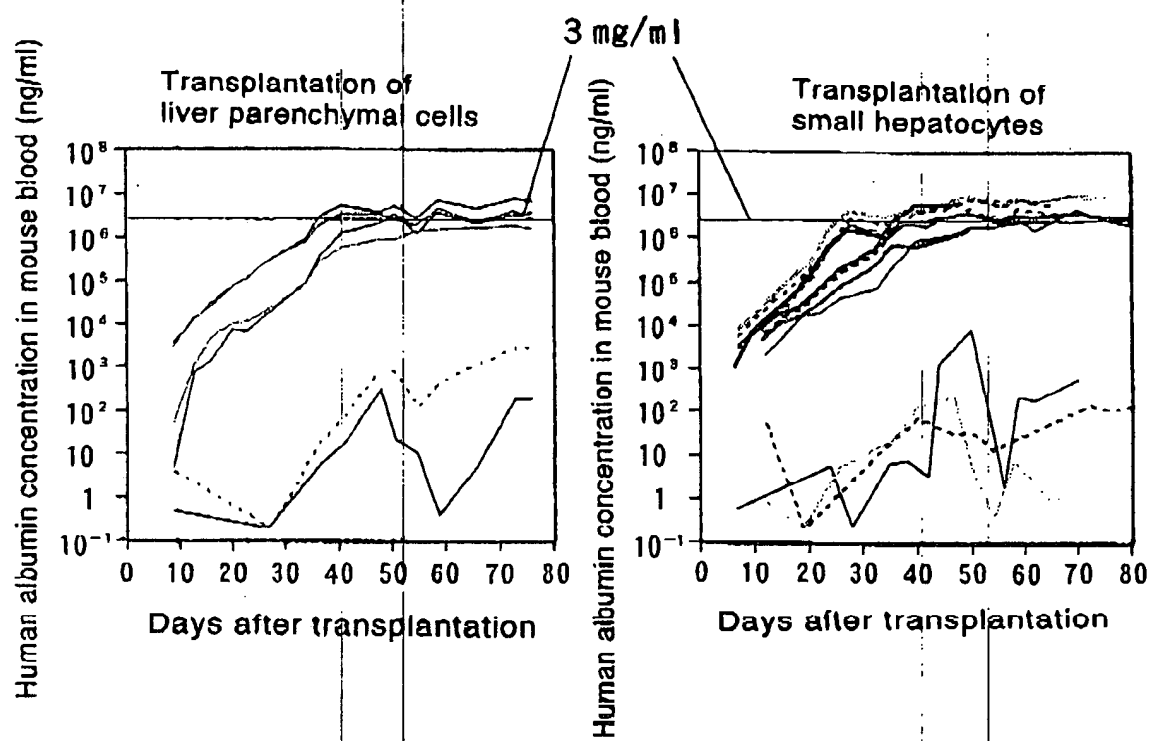
Fig. 1



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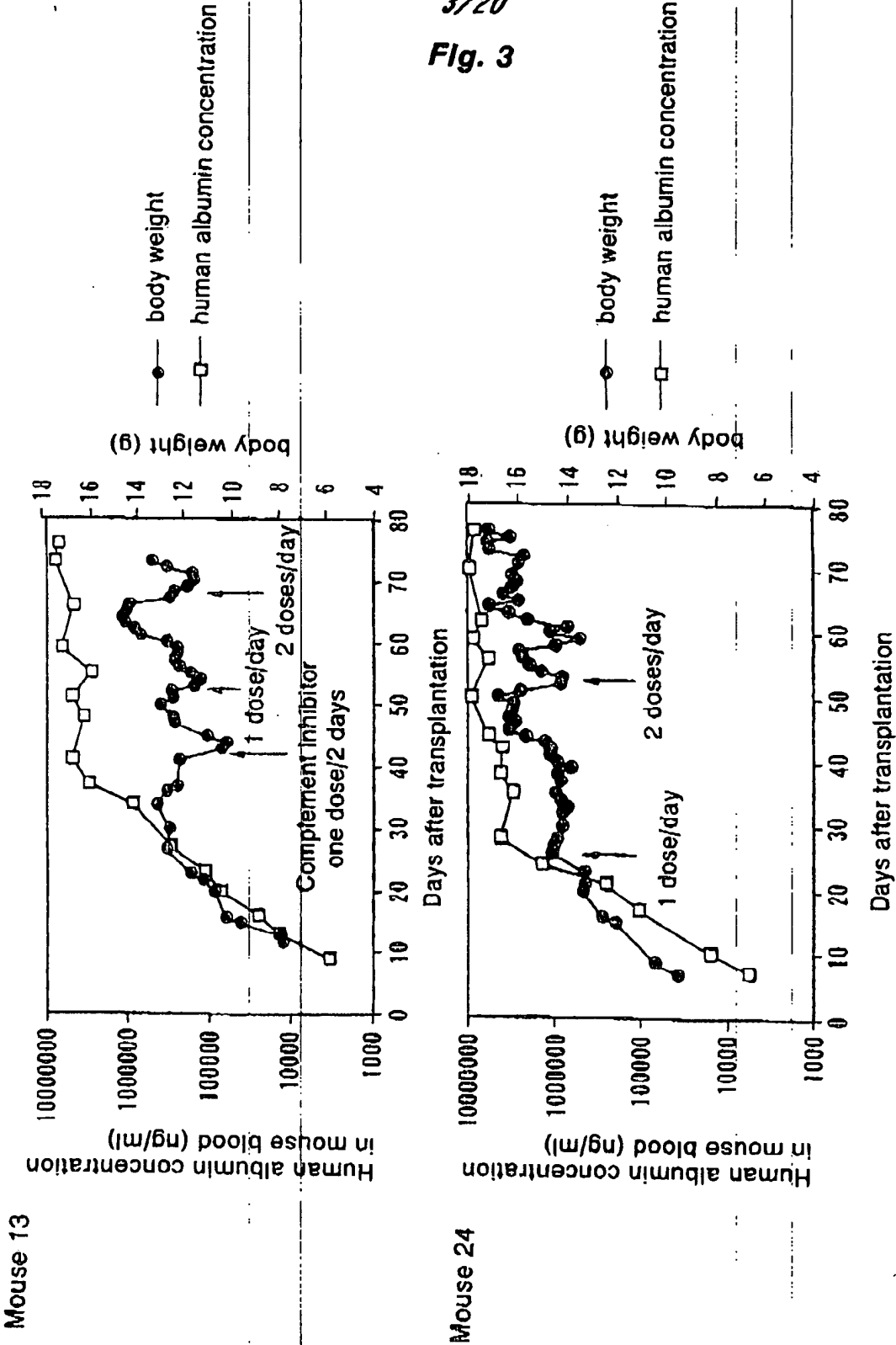
2/20

Fig. 2



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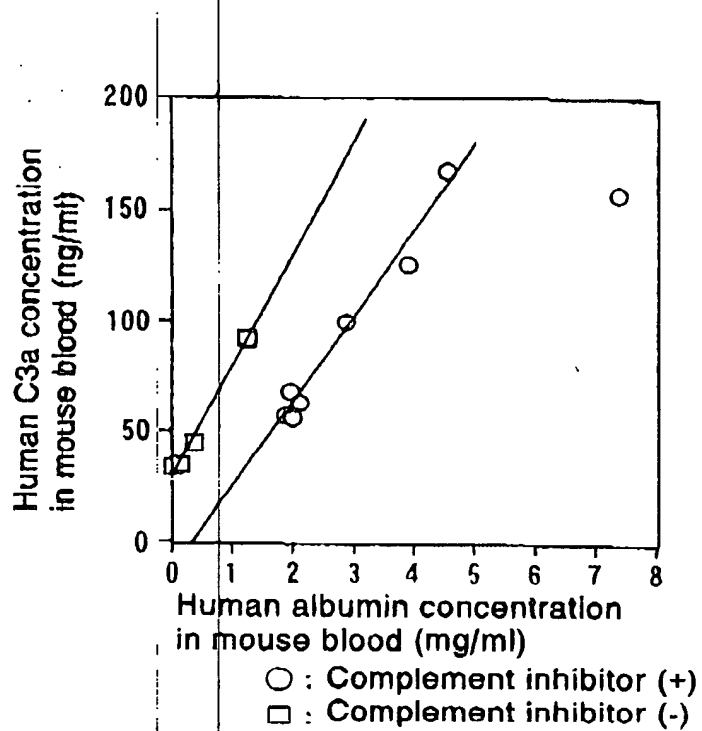
3/20
Fig. 3



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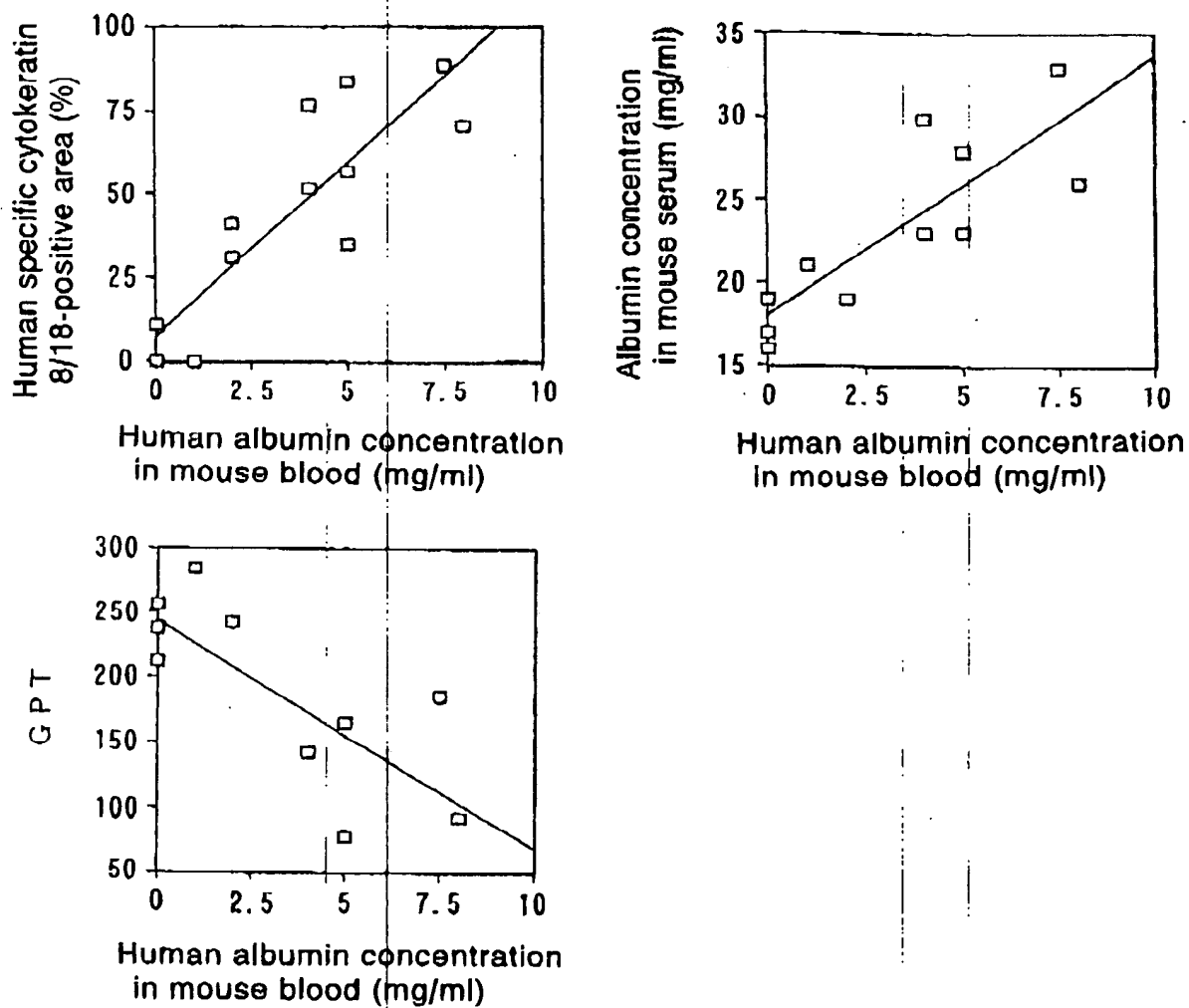
Fig. 4



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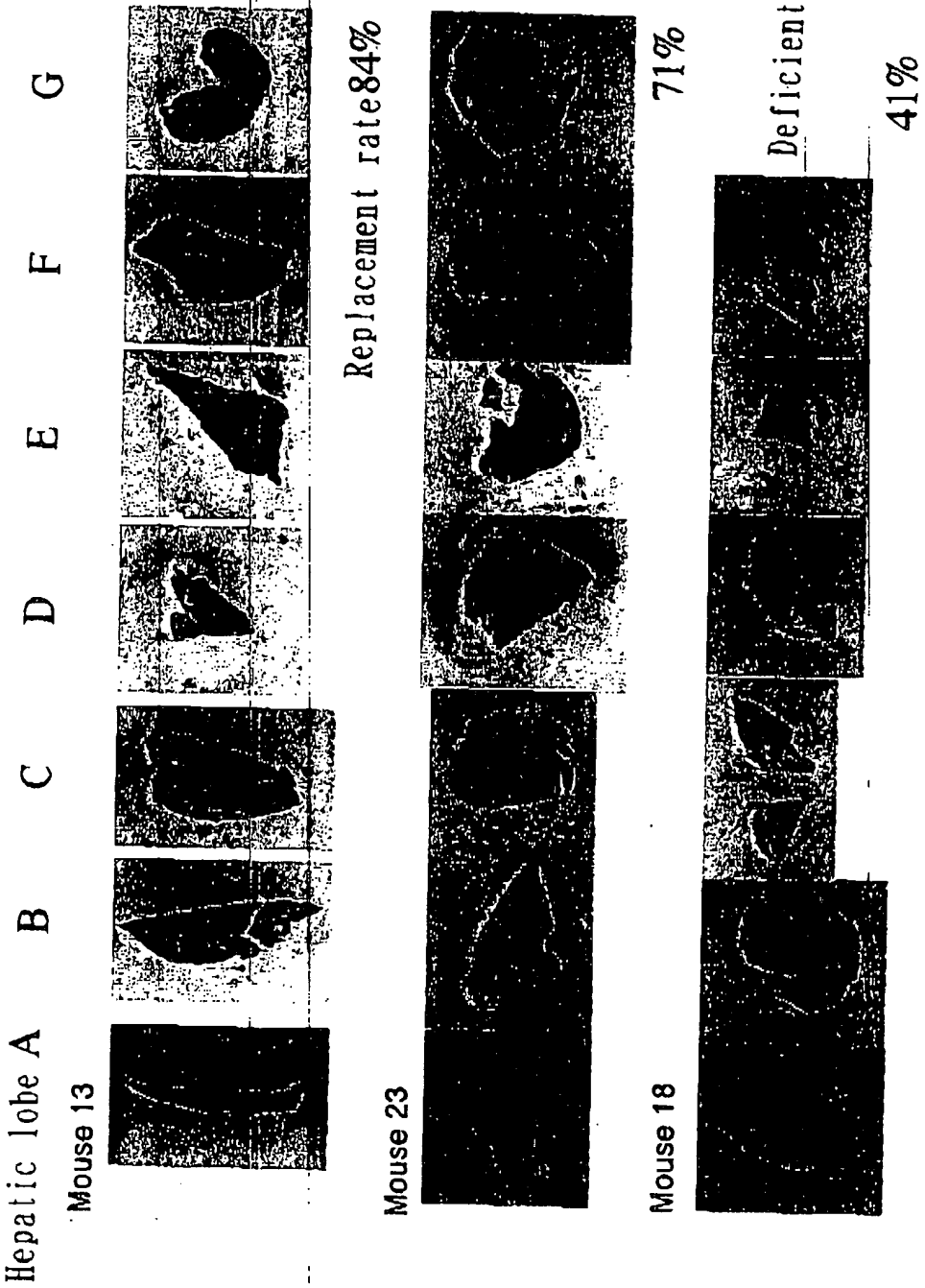
Fig. 5



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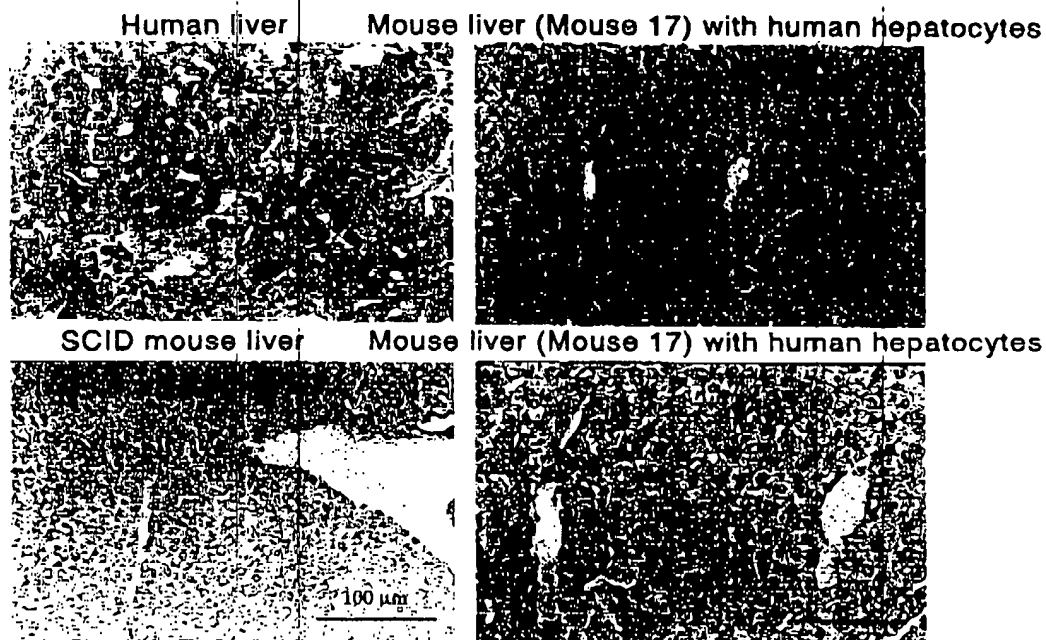
Fig. 6



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Fig. 7



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Fig. 8

Human liver microsome 89 0 52 11 71 (replacement rate of h-hepatocytes %)
100 50 25 12.5 (%) 17 19 21 22 23 (mouse No.)

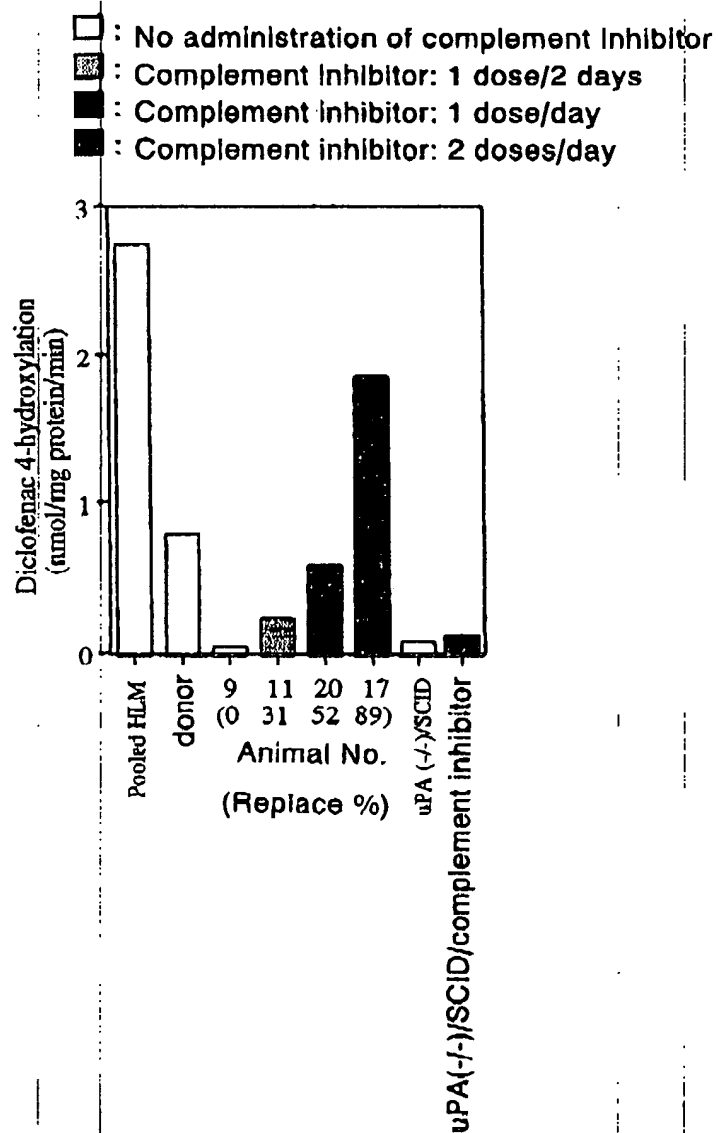
50 kD →

◀ CYP2C9

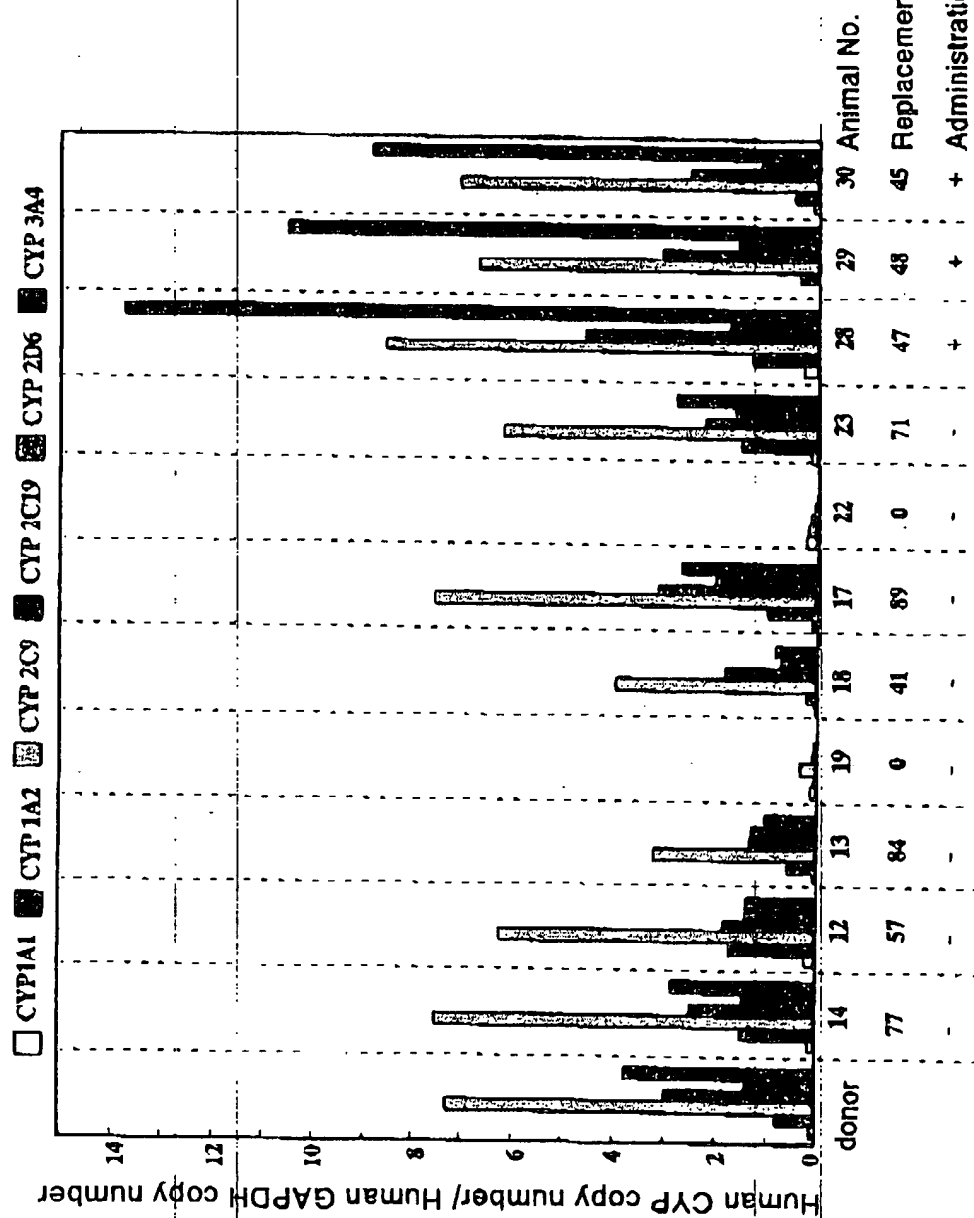
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Fig. 9



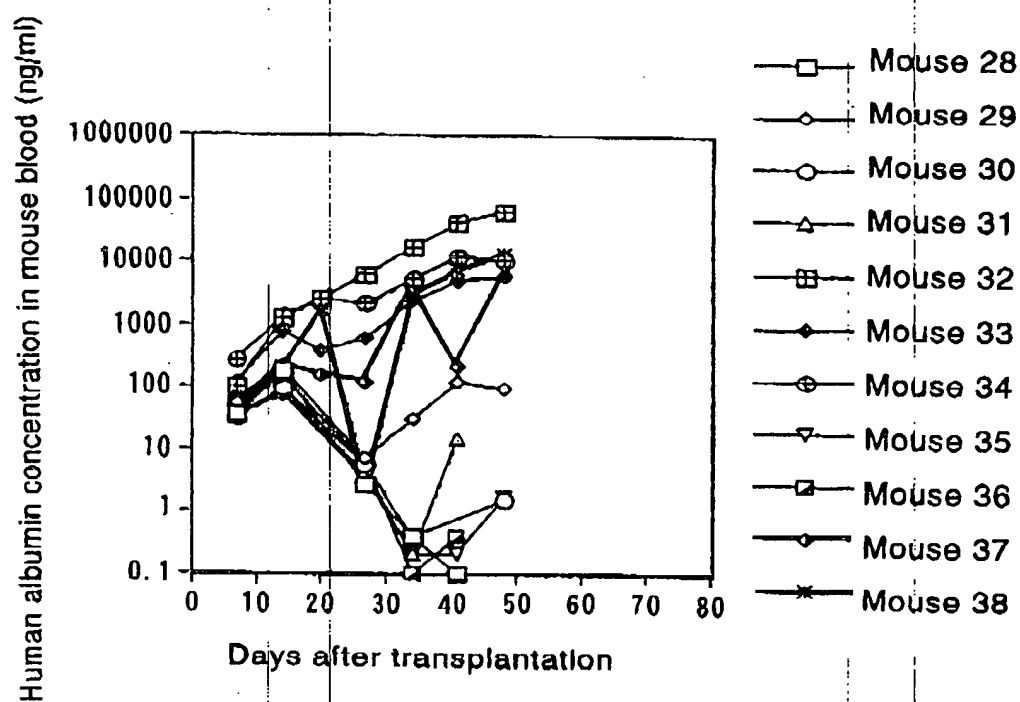
10/509032

10/20
Fig. 10

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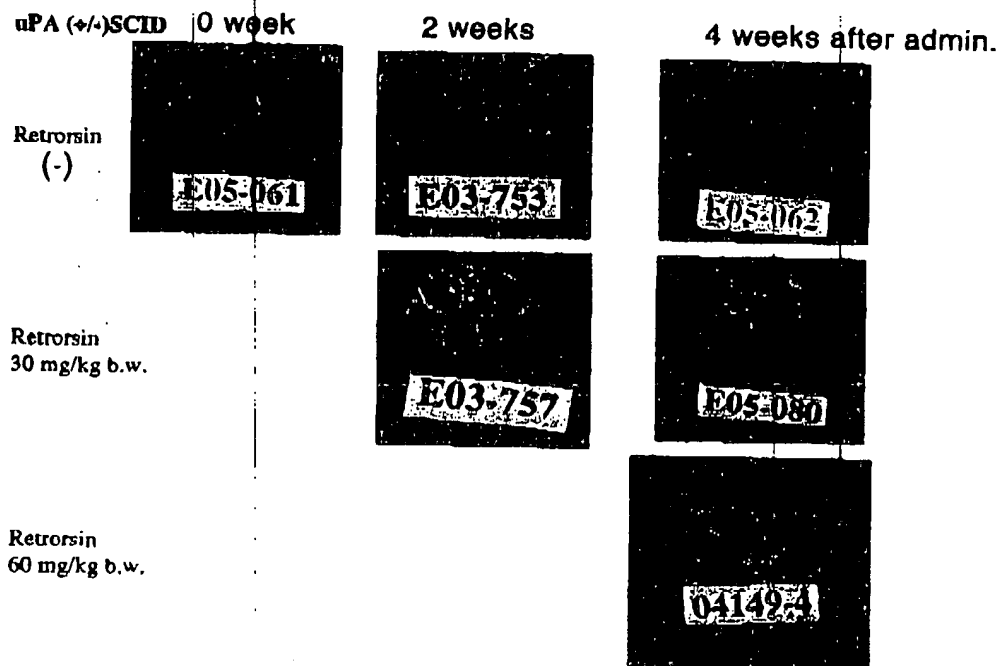
Fig. 11



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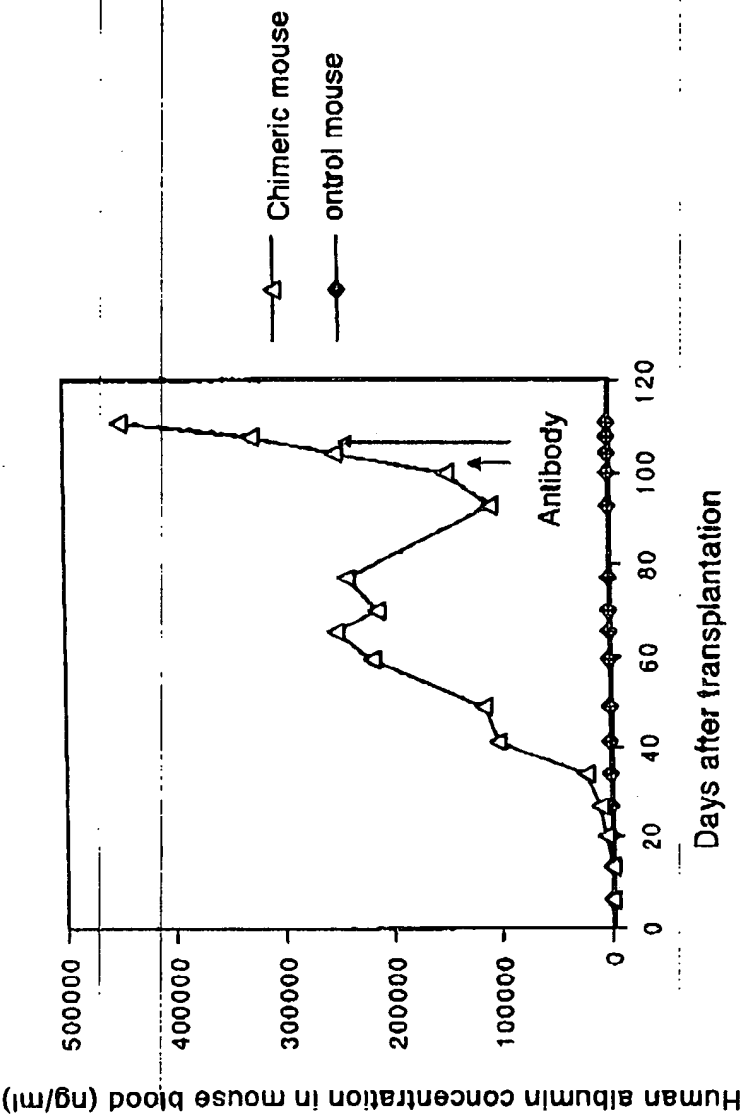
12/20

Fig. 12



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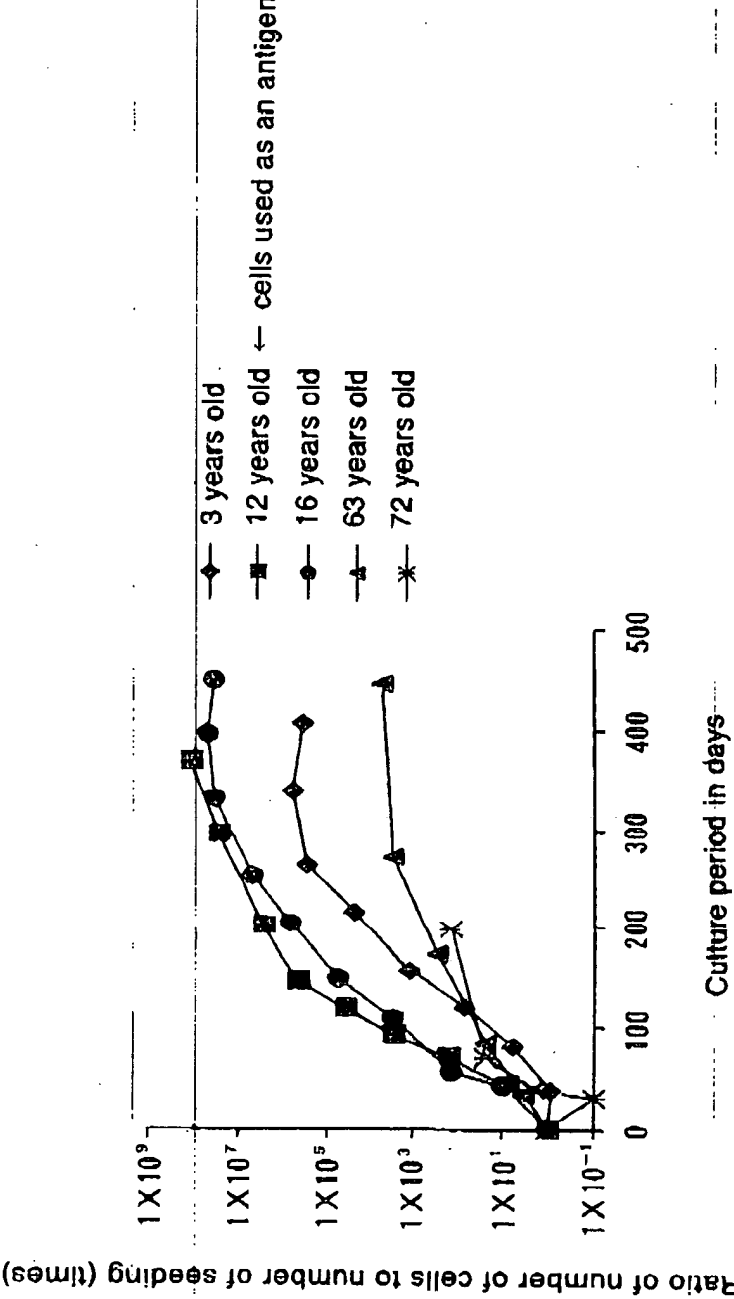
13/20
Fig. 13



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Fig. 14



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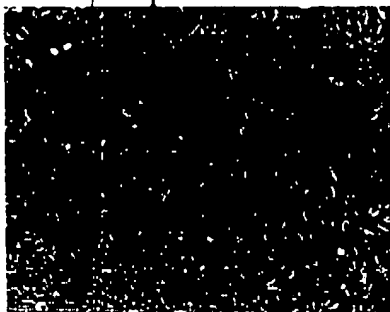
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Fig. 15

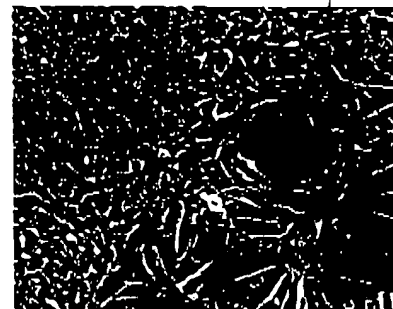
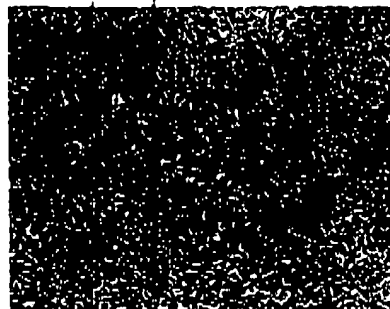
Human hepatocytes (12 years old) used as an antigen
to prepare a monoclonal antibody

Primary culture

At 30 days

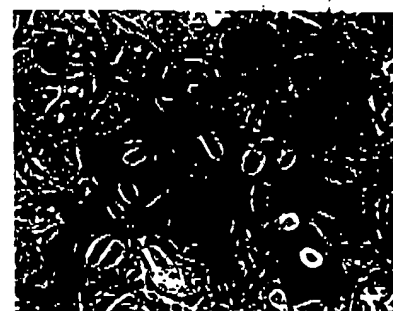
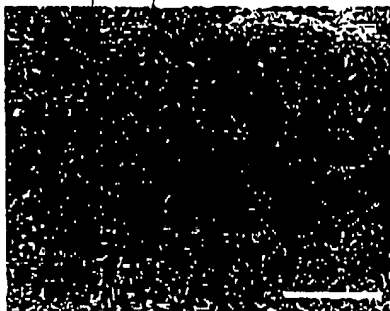


At 43 days



Subculture (3 passages) → immunizing mice

After 33 days



Bar, 100 μ m

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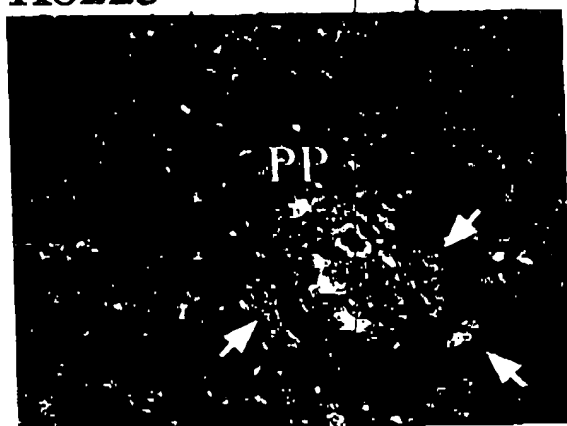
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Fig. 16

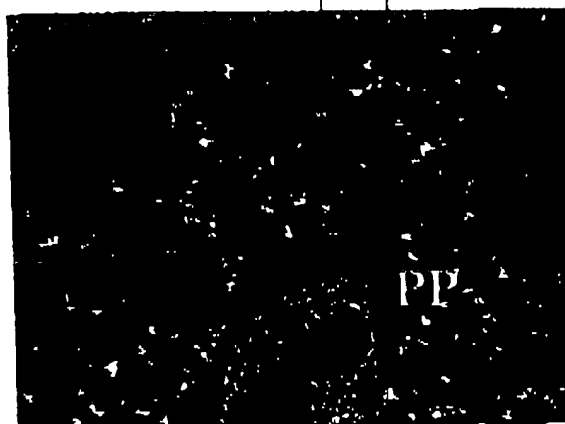
Human tissue (62 years old)

Hybridoma culture supernatant (K8223)

K8223



No primary antibody



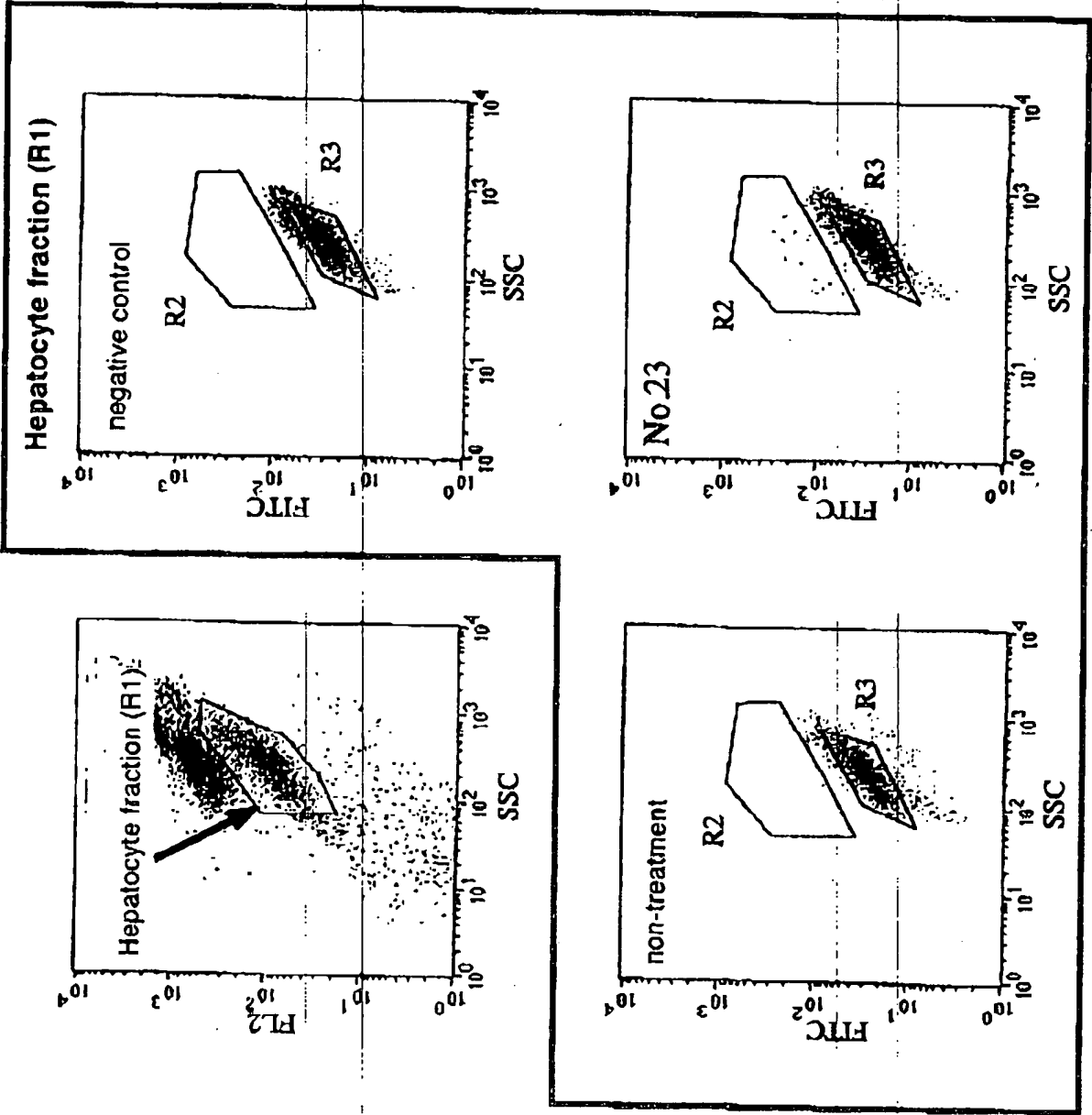
PP: Portal region

Bar, 50 μ m

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Fig. 17



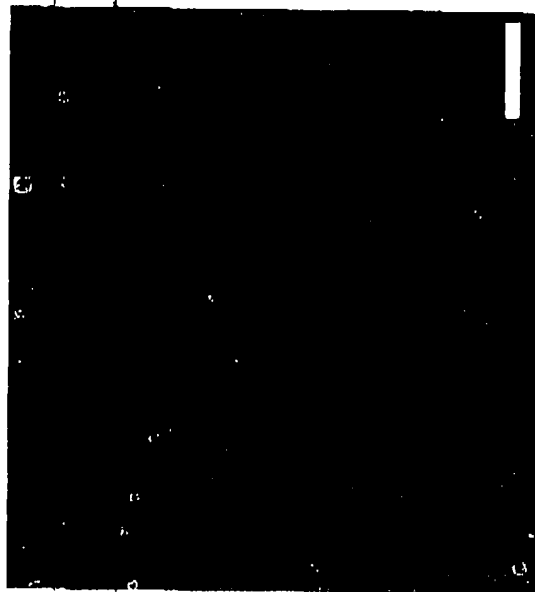
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Fig. 18

Hybridoma culture supernatant: No.23
Isolated human hepatocytes (49 years old)

At day 1 in culture



At day 8 in culture



Before sorting

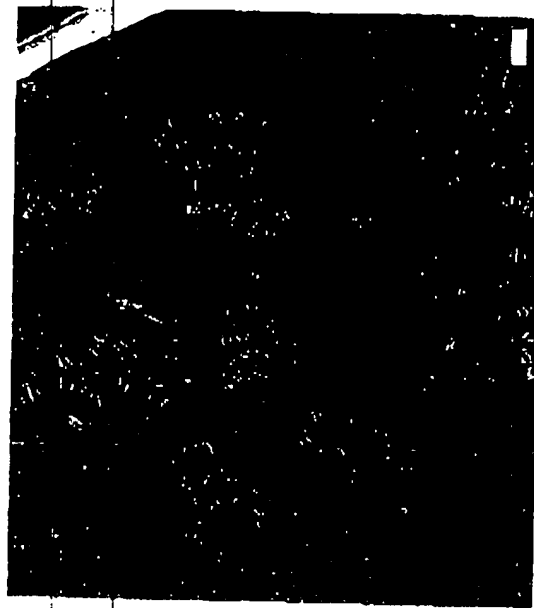
Bar, 100 μ m

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18/1/20

Fig. 18/1

At day 8 in culture



Bar, 100 μ m

At day 1 in culture



R2 fraction

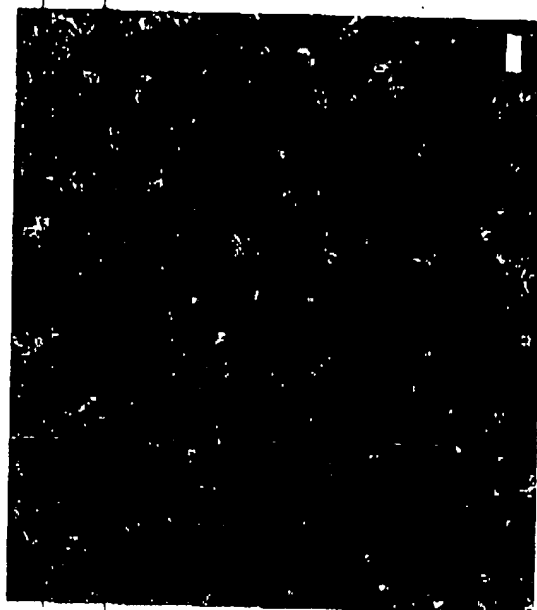
Hybridoma culture supernatant: No.23
Isolated human hepatocytes (49 years old)

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18/2/20

Fig. 18/2

At day 8 in culture



At day 1 in culture



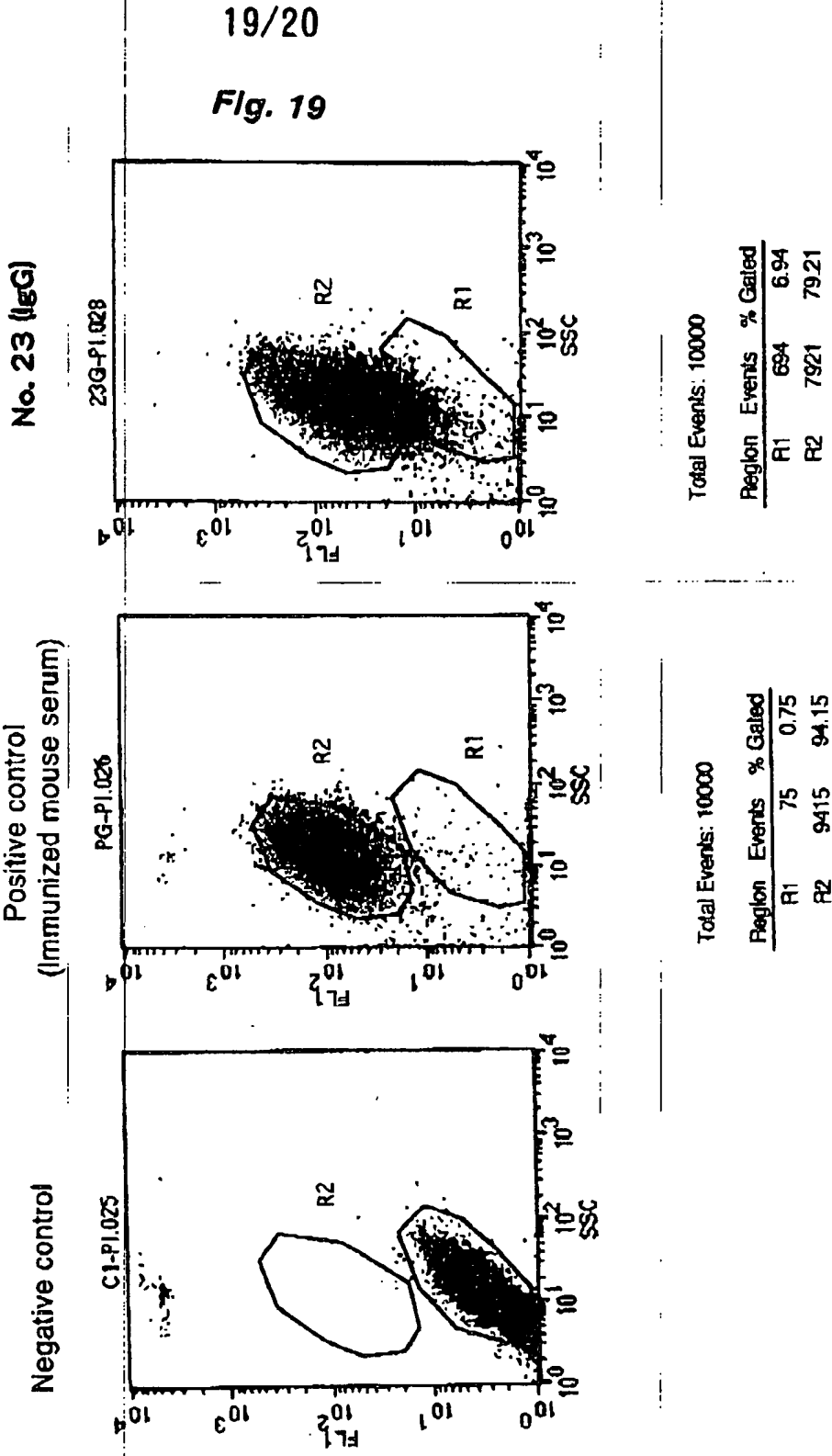
R3 fraction

Bar, 100 μ m

Hybridoma culture supernatant: No.23
Isolated human hepatocytes (49 years old)

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Cultured human hepatocytes
(12 years old, male, 5 passages of subculture)



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Fig. 20

